

CEA Northern Ireland

A Level Chemistry and Careers in Chemistry

Find examples of relevant careers for subsections of the curriculum and link through to job profiles for further information. The profiles will give your students real world examples of jobs in the aspects of chemistry they enjoy most. They are written by teachers for teachers.

Simply click on the job title to go to the job profile on A Future in Chemistry.

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A Level Chemistry and Careers in Chemistry 1 of 5

AS 1 – Basic Concepts in Physical and Inorganic Chemistry

1.3 Bonding

- › Postdoctoral Research Associate
- › Research Fellow

1.5 Structure

- › Postdoctoral Research Associate
- › Scientist, Engineer and Science Communicator
- › Research Fellow

1.6 Shapes of Molecules and Ions

- › Postdoctoral Research Associate

1.9 Acid-base Titrations

- › Quality Assurance Chemist

AS 2 – Further Physical and Inorganic Chemistry and an Introduction to Organic Chemistry

2.1 Formula and Amounts of A Substance

- › Researcher (Internship)

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A Level Chemistry and Careers in Chemistry 2 of 5

AS 2 – Further Physical and Inorganic Chemistry and an Introduction to Organic Chemistry

2.3 Alkanes

- › Project Leader in Enhanced Experimentation
- › Sustainability Consultant

2.4 Alkenes

- › Project Leader in Enhanced Experimentation

2.6 Alcohols

- › Forensic Scientist

2.7 Infrared Spectroscopy

- › Analytical Scientist
- › Associate Researcher
- › Astrochemist
- › Atmospheric Chemistry Researcher
- › Chemical Industrial Placement
- › Environmental Chemist
- › Senior Analytical Systems Technician

2.8 Energetics

- › Chief Chemist
- › PhD Student
- › Project Leader in Enhanced Experimentation
- › Scientist, Engineer and Science Communicator

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A Level Chemistry and Careers in Chemistry 3 of 5

A2 1 – Further Physical and Organic Chemistry

4.2 Enthalpy, Entropy and Free Energy

- › Chief Chemist
- › Project Leader in Enhanced Experimentation
- › PhD Student

4.5 Acid-base Equilibria

- › Quality Assurance Chemist

4.7 Aldehydes and Ketones

- › Flavour Chemist and Innovation Director

4.9 Derivatives of Carboxylic Acids

- › Flavour Chemist and Innovation Director

4.10 Aromatic Chemistry

- › Applications Chemist
- › Research Fellow
- › Household Goods Scientist

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A Level Chemistry and Careers in Chemistry 4 of 5

A2 2 – Analytical, Transition Metals, Electrochemistry and Organic Nitrogen Chemistry

5.1 Mass Spectrometry

- › Assistant Analyst, Drug Control Centre
- › Cancer Researcher and Science Communicator

5.2 Nuclear Magnetic Resonance Spectroscopy

- › Chemical Industrial Placement
- › Scientific Associate, NMR Spectroscopy

5.3 Volumetric Analysis

- › Quality Assurance Chemist
- › Registered Scientist

5.4 Chromatography

- › Assistant Analyst, Drug Control Centre
- › Scientific Associate, NMR Spectroscopy
- › Chemical Industrial Placement
- › Senior Analytical Systems Technician

5.5 Transition Metals

- › Project Manager

5.6 Electrode Potentials

- › Patent Attorney

5.9 Amino Acids

- › Postdoctoral Research Associate
- › Sports Scientist

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A Level Chemistry and Careers in Chemistry 5 of 5

A2 2 – Analytical, Transition Metals, Electrochemistry and Organic Nitrogen Chemistry

5.10 Polymer Chemistry

- › Consumer Products Technician
- › Patent Attorney
- › Vice President of Research and Development

5.11 Chemistry in Medicine

- › Advanced Apprentice – Forensics
- › Analytical Scientist
- › Assistant Analyst, Drug Control Centre
- › Associate Researcher
- › Cancer Researcher and Science Communicator
- › Director of IRC in Biomedical Materials
- › Director of Medicinal Chemistry
- › Experimental Chemist
- › Forensic Scientist
- › Medicinal Chemist
- › Patent Attorney
- › Postdoctoral Research Associate
- › Scientific Associate, NMR Spectroscopy
- › Skincare Company Founder
- › Sports Scientist